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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/631,954	07/30/2003	M. Vikram Rao	2003-IP-010829U1	1780
7590 05/12/2006			EXAMINER	
Robert A. Kent			LE, HOA T	
Halliburton Ene	ergy Services			
2600 South 2nd Street			ART UNIT	PAPER NUMBER
Duncan, OK 73536			1773	

DATE MAILED: 05/12/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)				
Office Action Summary		10/631,954	RAO, M. VIKRAM				
		Examiner	Art Unit				
		H. T. Le	1773				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1)⊠	Responsive to communication(s) filed on <u>04 Ja</u>	nnuarv 2006.	•				
,	•	action is non-final.					
3)	Since this application is in condition for allowar		secution as to the merits is				
-,	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Dispositi	on of Claims						
4)🖂	Claim(s) 1-59 is/are pending in the application.						
·=	4a) Of the above claim(s) <u>18-59</u> is/are withdrawn from consideration.						
	5) Claim(s) is/are allowed.						
	6)⊠ Claim(s) <u>1-17</u> is/are rejected.						
	Claim(s) is/are objected to.						
•	Claim(s) are subject to restriction and/or	r election requirement.					
Applicati	on Papers						
9) The specification is objected to by the Examiner.							
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority u	ınder 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
	1. Certified copies of the priority documents have been received.						
	2. Certified copies of the priority documents have been received in Application No						
	3. Copies of the certified copies of the priority documents have been received in this National Stage						
	application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.							
Attachmen	t(s)	_					
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)							
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Notice of Draftsperson's Patent Drawing Review (PTO-948) 4) Paper No(s)/Mail Date 5) Notice of Informal Patent Application (PTO-152)							
	nation Disclosure Statement(s) (P10-1449 or P10/58/08) r No(s)/Mail Date <u>July 2003</u> .	6) Other:					

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DETAILED ACTION

1. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Election/Restrictions

2. Applicant's affirmation of the election of claims 1-17, 27 and 28 without traverse is acknowledged. Applicants further requests claims 27 and 28 be withdrawn from consideration. The examiner assumes that claims 27 and 28 are intended to be filed as process claims along with the non-elected claims in a continuation or divisional application. Accordingly, claims 18-59 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention.

Claim Rejections - 35 USC § 102

3. Claims 1-17 are rejected under 35 U.S.C. 102(e) as being anticipated by the Dejaiffe patent (US 6,913,643).

Claim 1: Dejaiffe teaches a lightweight aggregate comprising silica and alumina (abstract). The alumina is present in a amount of 8-14 wt% (col. 4, lines 5-8). The aggregate comprises typical large and small sizes (col. 5, lines 1-13), and thus falls within the broad claimed size range of 8 mesh or smaller. The aggregate contains voids (col. 5, lines 8-10 and 21-23). The gravity of the aggregate is not reported but it is considered met by inherency because the Dejaiffe aggregate comprises the same composition as the claimed particulate. See rejections in claims 2-5 below.

Claims 2-3: See col. 4, lines 5-10

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Claim 4: See col. 6, lines 30-32.

Claim 5: See col. 5, lines 45-50 (bottom ash and fly ash).

Claim 6: See rejection to claim 1.

Claim 7: considered met by inherence because the Dejaiffe aggregate comprises the same composition as the claimed particulate. See rejections in claims 2-5 above.

Claim 8: See col. 5, lines 34-37.

Claims 9-10: col. 5, lines 8-10 and 21-23.

Claims 11-12: See col. 4, lines 5-10

Claim 13: See col. 6, lines 30-32

Claims 14-17: See rejections to claims 6-8 above.

4. References are cited as art of interest.

Examiner's Comment on the Lytag reference

The Lytag reference, namely "Lytag Heath & Safety Sheet", is a valid 102 prior art.

Although the report dated March 2004, it is a revision of another report which was issued in June 2003 (see page 6 under "other information" section of the report), which predates the filing date of the present application. However, the examiner withdrew the rejection based on this reference because of the amendment which adds feature of the amount of alumina into the independent claim.

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Conclusion

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5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to H. T. Le whose telephone number is 571-272-1511. The examiner can normally be reached on 10:00 a.m. to 6:30 p.m., Mondays to Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carol Chaney can be reached on 571-272-1284. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

H. T. Le

Primary Examiner
Art Unit 1773

May 8, 2006